NOTES

PERMANENT DIVERSION BANKS
1. LOCATION TO BE SHOWN ON DESIGN DRAWINGS.
2. CHANNELS TO BE PARABOLIC OR TRAPEZOIDAL CROSS-SECTION AND NOT U-SHAPED.
3. CHANNEL GRADES TO BE 1% TO 5%. PROTECTION TO BE CONSIDERED WHERE ERODIBLE SOILS EXIST.
4. THE REMOVAL OF TREES AND SHRUBS TO BE AVOIDED WHERE POSSIBLE.
5. EARTH BANKS TO BE KEYED INTO EXISTING SURFACE AND MACHINE COMPACTED TO PREVENT FAILURE.
6. CHANNELS TO BE FREE OF IRREGULARITIES THAT WILL IMPede NORMAL FLOW.
7. ANY STABILISATION WORKS TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION (E.G. CHANNEL LINING WITH ORGANIC REINFORCED JUTE MESH).
8. OUTLETS FROM BANKS BELOW DISTURBED CONSTRUCTION AREAS TO DISCHARGE ONTO A STABLE AREA (E.G. ROCKS, UNDISTURBED GROUND) AND THEN INTO A SEDIMENT CONTROL IF POSSIBLE (E.G. SEDIMENT BASIN, SEDIMENT FENCE ON SIMILAR).
9. OUTLETS FROM BANKS DRAINING UNDISTURBED AREAS TO BE DISCHARGED ONTO A STABLE AREA (E.G. ROCKS, NATURAL UNDISTURBED GROUND) WITHIN THE SAME CATCHMENT FROM WHICH THEY RUN OFF (ORIGINATED).

TEMPORARY DIVERSION BANKS
1. LOCATIONS SELECTED CONTINUALLY DURING CONSTRUCTION TO PROTECT WORKS (I.E. MAY REGULARLY CHANGE).
2. V-SHAPED CHANNELS ARE ACCEPTABLE AS THE BANKS ARE USUALLY CONSTRUCTED BY A GRADER TO FUNCTION OVER A SHORT PERIOD (E.G. OVERNIGHT, WEEKEND).
3. CHANNEL GRADES TO BE 1% TO 5%.
4. BANKS TO BE ADEQUATELY MACHINE COMPACTED TO PREVENT FAILURE.
5. SPACING BETWEEN BANKS TO BE DEPENDENT UPON SLOPE AND SOIL TYPE.
6. OUTLETS FROM BANKS TO DISCHARGE ONTO A STABLE AREA (E.G. ROCKS, NATURAL UNDISTURBED GROUND), TIMBER WINDROW, SEDIMENT TRAP, GEOTEXTILE BATTER DRAIN). BANK OUTLETS TO EXTEND PAST DISTURBED AREAS AND NOT BE TOO SHORT.
7. BANKS TO BE INSPECTED AFTER STORM EVENTS AND REPAIRED AS REQUIRED.

SPILLWAY DETAIL
1. OUTLET TO BE LEVEL AND MINIMUM 2 METRES IN LENGTH.
2. OUTLET BILL TO FINISH flush WITH NATURAL SURFACE ON UNDISTURBED OR STABILISED GROUND.
3. AREA BELOW, AND AT END OF, OUTLET NOT TO BE DISTURBED.
TYPICAL LOCATIONS OF TEMPORARY DIVERSION BANKS

- **DIVERSION BANK**
  - Temporary
  - Directed Flow

- **OUTLET SPREADING SYSTEMS**
  - Table Drain
  - Spur

- **SPLIT FLOW SYSTEM**
  - 0.5% Grade

- **INTERRUPTED SPREADING SYSTEM**
  - Series of Contour Furrows at Close Intervals

- **CONTOUR FURROW ABSORPTION SYSTEM**
  - Small Banks

- **DIVERSION BANK ABSORPTION SYSTEM**
  - Typical Locations of Temporary Diversion Banks

**NOTES:**
- All dimensions are in millimetres unless otherwise shown.
- This drawing may be prepared in colour and may be incomplete if copied.
- The drawing is intended for use in the design, construction, and maintenance of roads and related works.
- Feedback on this standard drawing can be sent to technologystandards@rms.nsw.gov.au.